

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Lino K. Korah

GENERAL INFORMATION:

Name: Keco Industries, Inc.
Address: 7375 Industrial Florence Road,
Kentucky 41022-0428
Date application received: October 28, 2002
SIC/Source description: 3585
EIS #: 21-015-00018
Application log number: 55279
Permit number: F-03-004

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___ Administrative	<input type="checkbox"/> Title V
___ Minor	<input type="checkbox"/> Synthetic minor
___ Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☐ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Existing Source Wide Emissions		
Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	0.26	0.79
SO ₂	.0015	.0108
NO _x	0.26	1.8
CO	0.052	0.36
VOC	5.29	20
HAP by (CAS)		
Toluene (108883)	9.29	22.356
Xylene (1330207)	1.03	2.478
MEK (78933)	4.59	11.052
MIBK (108101)	2.07	4.98
Chromium trioxide(1333820)	0.0268	0.0319

Emissions Resulting From New Addition		
Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	NA*	4.7
VOC	NA*	10 [#]
HAP by (CAS)		
Toluene (108883)	NA*	9 [#]
Xylene (1330207)	NA*	9 [#]
MEK (78933)	NA*	5.52
MIBK (108101)	NA*	0.46
Total HAP's	NA*	22.5 [#]

* An Actual emission for the new addition has not been reported.

The permittee has taken a limit of less than 30 TPY for VOC emission and less than 22.5 TPY of combined HAP's and less than 9 TPY of a single HAP. These limits are for the entire source.

Resulting Emissions After the Additional Emission Points (Source wide)		
Pollutant	Actual (tpy)*	Potential (tpy)
PM/PM ₁₀	5	5.49
SO ₂	0.0015	.0108
NO _x	0.26	1.8
CO	0.052	0.36
VOC	<30	30 [#]
HAP by (CAS)		
Toluene (108883)	<9	9 [#]
Xylene (1330207)	<9	9 [#]
MEK (78933)	<9	9 [#]
MIBK (108101)	<9	9 [#]
Chromium trioxide (1333820)	0.0268	0.0319
Total HAP's	<22.5	22.5 [#]

* An actual emission for the new addition has not been reported.

New emission allowables

SOURCE PROCESS DESCRIPTION:

Keco Industries, Inc. manufactures environmental system for military use, including heat pumps and water purification units. Keco Industries currently hold an amended operating permit issued in October 1990. The source is adding 3 new paint booths (EP # 008, 009, 010), and modifying one paint booth (EP #2). The modification itself has a potential to emit greater than 100 TPY of VOC, greater than 10 TPY of HAP and greater than 25 TPY of HAP's. The facility has requested that an enforceable limit be placed on VOC, HAP, and HAP's emissions to preclude the applicability of title V and 401 KAR 59:225.

EMISSION AND OPERATING CAPS DESCRIPTION:

See permit statement of basis